

19990618.qrp v01_n492.qrl.990618

Date: Fri, 18 Jun 1999 19:03:33 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1492

QRP-L Digest 1492

Topics covered in this issue include:

- 1) [43021] More Spice Stuff!
by James P Rybak <jrybak@mesastate.edu>
- 2) [43022] FOLDED MONOPOLE
by KM3D <bump-km3d@redrose.net>
- 3) [43023] Re: K9LU Bulldog Paddle
by "Jerry Decker" <n5rv@hex.net>
- 4) [43024] RE: Code Practice
by Don Lefrancois <wb1cdh@cwix.com>
- 5) [43025] My first DSW40 --> DSW40 QSO
by "Kenneth Hopper" <n9vv@mail.hamsnet.net>
- 6) [43026] Desert Ratt & Hamcomm photos
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 7) [43027] Using Water as a Reflector ..ie FD Antenna.
by "E. Andrews" <earlve3ab@igs.net>
- 8) [43028] Re: Regen RX Using Q-multiplier Principle
by "Mike Silva" <mjsilva@jps.net>
- 9) [43029] Re: Using Water as a Reflector ..ie FD Antenna.
by Jim <w7ls@blarg.net>
- 10) [43030] Re: FOLDED MONOPOLE
by Glen Reid <k5fx@flash.net>
- 11) [43031] Re: Suggestions Needed
by Jeff Logullo <logullo@mindspring.com>
- 12) [43032] Code practice and dummy loads
by "Ian C. Purdie" <purdic@integritynet.com.au>
- 13) [43033] Re: FOLDED MONOPOLE
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 14) [43034] Looking for.....
by KB90CE@aol.com
- 15) [43035] Jeff: TEKTRONIX 2215 info/specs
by "rohre" <rohre@arlut.utexas.edu>
- 16) [43036] RE: Folded Monopole
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 17) [43037] MFJ Dip Meter Adapter -easy, web
by "rohre" <rohre@arlut.utexas.edu>
- 18) [43038] QRPing the 941C
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 19) [43039] Help with capacitors!

- by n6jpa@qsl.net (Keith)
- 20) [43040] Re: FOLDED MONOPOLE
by RABRUNER@aol.com
- 21) [43041] Re: FOLDED MONOPOLE
by Thomas Kuehl <ac7a@uswest.net>
- 22) [43042] Re: Help with capacitors!
by "Paul Harden, NA5N" <na5n@rt66.com>
- 23) [43043] Louisville QRP Activity
by "Gene Hall" <evhall@ix.netcom.com>
- 24) [43044] Re: Looking for.....
by mikemo@ibm.net
- 25) [43045] Cuddly CW
by iapizloj@bicc00.bi.ehu.es (Jon Iza)
- 26) [43046] Which Rope? Nylon, Dacron?
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 27) [43047] 10 Turn Pot FS
by K2UD@aol.com
- 28) [43048] Re: MFJ Dip Meter Adapter -easy, web
by n2cx@voicenet.com
- 29) [43049] Dummy Load Night
by "Tom Moll" <tomm@xata.com>
- 30) [43050] Re: Dummy Load Night
by wd8civ@att.net
- 31) [43051] Receiver Dynamic Range
by "Tom Moll" <tomm@xata.com>
- 32) [43052] CD to 10
by Brad Mugleston <bmug@gwl.com>
- 33) [43053] Re: Which Rope? Nylon, Dacron?
by Bruce Grubbs <bog@flagstaff.az.us>
- 34) [43054] Re: CD to 10
by "Mike Yetsko" <myetsko@insydesw.com>
- 35) [43055] Re: Which Rope? Nylon, Dacron?
by Mark Sailer <msailer@msailer.rhic.bnl.gov>
- 36) [43056] transistor orientation..
by sergio <sruiz@bright.net>
- 37) [43057] Re: Sucrets Rig
by sigcom@juno.com
- 38) [43058] 40M bandpass filter
by Floyd Soo <floyd@hi-rescom.com>
- 39) [43059] oops..
by sergio <sruiz@bright.net>
- 40) [43060] Kent paddle adjustments
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 41) [43061] Re: Next stop: Ft. Tuthill {memories of 20 years ago}
by Stan Voynick <svoynick@selmar.com>
- 42) [43062] antique morse keys
by "George Goodroe" <goodroe@worldnet.att.net>
- 43) [43063] Homebrew QSLs

- by Ken Knecht <kenk@primenet.com>
- 44) [43064] Re: Dummy Load Night
by "Steven Weber" <kd1jv@moose.ncia.net>
- 45) [43065] Hamcomm photos
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 46) [43066] Elmer101/SW40+ audio stage question
by Allan G Taylor <k7gt@qsl.net>
- 47) [43067] 40m Howes trx fun & cinnamon/raisin bread project
by Nils R Young <nilsbull@juno.com>
- 48) [43068] RE: MFJ Dip Meter Adapter -easy, web
by "rohre" <rohre@arlut.utexas.edu>
- 49) [43069] Paperwork on EK-4 Keyer?
by Cameron White <whitec@claven.fanshawec.on.ca>
- 50) [43070] baggybob SMD parts
by Terres Family <terresfm@ncia.net>
- 51) [43071] Fw: Splitting uo Triton Station -- SOLD
by "Tim Cook" <timcook@erinet.com>
- 52) [43072] Re: CD to 10
by K2UD@aol.com
- 53) [43073] Hamcom 1999
by "Tony Fishpool" <g4wif@btinternet.com>
- 54) [43074] Bytemark?
by Laura Halliday <lha@sdr.utias.utoronto.ca>
- 55) [43075] Re: Dummy Load Night
by "Nick Kennedy" <nkennedy@cswnet.com>
- 56) [43076] Ten Tec Manual
by ac5ez@webtv.net (Larry B)
- 57) [43077] Tragedy on the Trail
by Jeff Davis <jeff@jehosophat.com>
- 58) [43078] Re: OHR WM-2 Wattmeter
by Rick McNelly <72507.235@compuserve.com>
- 59) [43079] ByteMark
by "Tracy" <tracy@bytemark.com>
- 60) [43080] WTB: 2N408 Transistor
by K2UD@aol.com
- 61) [43081] Manual
by ac5ez@webtv.net (Larry B)
- 62) [43082] FIELD DAY - Register your site!
by "Jim Stafford, W4Q0" <w4qo@amsat.org>

Date: Thu, 17 Jun 1999 17:01:33 -0600 (MDT)
From: James P Rybak <jrybak@mesastate.edu>
To: qrp-l@lehigh.edu
Subject: [43021] More Spice Stuff!
Message-ID: <Pine.OSF.4.10.9906171650420.27959-1000000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I've found another Spice book which seems very good. It's "Introduction to Device Modeling and Circuit Simulation" by Fjeldly, Ytterdal, and Shur (John Wiley, 1998). They've developed AIMSPICE which is Spice 3 based. You can download a very capable, free student version of AIMSPICE from <http://www.aimspice.com>

Usual disclaimers.

Jim Rybak W0KSD

Date: Thu, 17 Jun 1999 19:11:27 -0400
From: KM3D <bump-km3d@redrose.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [43022] FOLDED MONOPOLE
Message-ID: <3769809F.597189F1@redrose.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys,

I've been running a 'folded monopole' on 160m with real good success for seven or eight years now. I've not got room for anything but compromise antennas on that band; a quarter-wave wire barely fits on my lot. The antenna does make a difference. My first 160m effort was a single wire with the same counterpoise/water pipe ground system. I run my 'FP' against two counterpoise wires that I stake down onto the lawn after the grass is cut for the last time in the fall, and wind 'em back up before cutting begins in the spring. I've worked most of the continental US with this antenna, and a little dx to boot.

I found the antenna described in great detail in an article written by Bill Orr, W6SAI, in the March 1990 issue of 'Ham Radio'. The article discusses both the practical and theoretical issues of making it work.

You're right; the folded nature of the antenna does not give one the luxury of not thinking about his ground system, but raising the feedpoint impedance does indeed improve things. My fs meter and logbook both attest to that.

73,

Harry, KM3D

PS The experts can say what they want - the Q's are in the log here.

Date: Thu, 17 Jun 1999 18:19:20 -0500
From: "Jerry Decker" <n5rv@hex.net>
To: <kory@avatar.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43023] Re: K9LU Bulldog Paddle
Message-ID: <001301beb917\$d57a48e0\$0201a8c0@jdecke>

Sure am glad you ran across this webpage. I had seen them a few weeks back and now that I am ready to piece my QRP station together, the Bulldog key came to mind. But, I did not save the URL. Talk about timing!!!

Thanks Kory!

72 es 73 de Jerry N5RV

----- Original Message -----
From: Kory Hamzeh <kory@avatar.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, June 17, 1999 4:29 PM
Subject: K9LU Bulldog Paddle

>
> I was just killing time a couple days ago waiting for the wife to get ready
> and I ran across the web page for K9LU's Bulldog Paddle. It's a perfect
> paddle for outdoor operations. It's small, light, and cheap \$19.99. It even
> has suction cups on the bottom of the base. I just got mine in the mail
> today. I haven't tried it yet, but it feels pretty good. You'll be shocked
> when you see how simple in it. Check out their web page at
> <http://www.qth.com/k9lu/>
>
> I'm in no way connected to K9LU yadda yadda yadda ...
>
> Very 73s,
> Kory
> AC6RN

Date: Thu, 17 Jun 1999 19:25:23 -0400
From: Don Lefrancois <wb1cdh@cwix.com>
To: QRP-L <QRP-L@Lehigh.edu>
Subject: [43024] RE: Code Practice
Message-ID: <001d01beb918\$ad9aa760\$13ca3ea6@0302316260447626>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys & Gals,

Can't help but reply to the "code practice" thread. Was on 30m today and answered a CQ. For the life of me I could not make out what his call letters were. He was definitely using a paddle but he was constantly sending dits when not sending letters (if you know what I mean). He ran all the letters together. I requested he repeat his call letters but even that did not help. Finally I had to QRT..gave him an honest shot. Later checked all the possibilities to find out what his call letters were and still came up dry in Buckmaster etc.

I guess there are days you just have to decide that others send code slightly worse than you. I use a straight key most of the time since when I came into ham radio in 1960 I didn't have the money for a paddle or a bug. Military keys were available for next to nothing. Its also the reason I am stuck at about 20 wpm.

Just had to put it in writing. Most of my contacts are very readable.

Don / K1NNP

=====
Amateur Radio---K 1 N N P
QRP-L #1778 NorCal #1518 NE #436
Jewett City, Ct. 06351

Date: Thu, 17 Jun 99 18:31:43 CST
From: "Kenneth Hopper" <n9vv@mail.hamsnet.net>
To: qrp-l@lehigh.edu
Subject: [43025] My first DSW40 --> DSW40 QSO
Message-ID: <199906171831.SM00197@mail.hamsnet.net>

A big THANK YOU to Jay WT9S for our DSW40 to DSW40 QSO on 7.040 at 0020z tonight.

Jay sounded great. I was his first QSO on his brand new DSW40. My signal was swamped by the darn digi QRM. Pictures of the rig at <http://www.qsl.net/n9vv/dsw40project.html>

72/73
Ken N9VV

Date: Thu, 17 Jun 1999 16:40:18 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list" <qrp-l@Lehigh.edu>
Subject: [43026] Desert Ratt & Hamcomm photos
Message-ID: <116701beb91a\$c4bc0fe0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Got a couple more photos of the regen up on the webpage:
<http://www.qsl.net/k1mg>

Mike K1MG

Date: Thu, 17 Jun 99 18:59:37 PDT
From: "E. Andrews" <earlve3ab@igs.net>
To: qrp-l@Lehigh.Edu
Subject: [43027] Using Water as a Reflector ..ie FD Antenna.
Message-ID: <MAPI.Id.0016.0061726c7665336130303039303039@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey All. Im going FD solo this yr and im going QRP w/3 w out ..on my property by a Lake and a Swamp. Ive thought of using the water as a Reflector for a triband dipole element i have. I wonder if there is merit in this idea. I could also string some wire reflectors in some nearby trees and form a sort of HF Corner Reflector(with a shortened side width).

It would point South
for alot of Stns stateside. I think im going to give it a try..wondering if
anyone would
like to comment on the merit of water as a reflector...HIGH ANGLE OF COURSe
but that is
good for FD...73 Earl VE3AB

Date: Thu, 17 Jun 1999 16:46:44 -0700
From: "Mike Silva" <mjsilva@jps.net>
To: <w0av@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
<glowbugs@piobaire.mines.uidaho.edu>
Subject: [43028] Re: Regen RX Using Q-multiplier Principle
Message-ID: <020801beb91b\$a8129c00\$2c89a9ce@davidb-200.amotusa.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

George,

I've taken the liberty of cross-posting your question to the glowbugs list,
where the lore of the tube regen is alive and well. I'll be interested to
hear what replies you get.

73,
Mike, KK6GM

>Hi Gang
>
>Back in about 1948 I built a regen HF RX for 80 meters from an article in
>CQ magazine.
>
>It used a dual triode (I believe it was a 6SN7) and was a really
>outstanding performer because if utilized so-called Q-multiplying to give
>an apparent increase in Q by "unloading" the single tuned circuit.
>
>Does anyone remember this circuit or has someone adapted it to solid
>state?
>
>It was by far the best of very many regen receivers I have built and
>used.
>
>72 de George/W0AV
>

Date: Thu, 17 Jun 1999 17:06:18 -0700
From: Jim <w7ls@blarg.net>
To: earlve3ab@igs.net, qrp-1@lehigh.edu
Subject: [43029] Re: Using Water as a Reflector ..ie FD Antenna.
Message-ID: <37698D7A.5E32AD68@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, unless it's a salty lake, I don't think it will work like you intend. Currently, there is a faction of radio control boaters that are into submarines. They control them via radio, right through the water. Doesn't seem to work at all in salt water, but does work fine in fresh water. The lake will just be a dielectric that will have some reflection coefficient, but nothing like saltwater. Comments?

Jim W7LS

"E. Andrews" wrote:

> Hey All. Im going FD solo this yr and im going QRP w/3 w out ..on my
> property by a Lake and
> a Swamp. Ive thought of using the water as a Reflector for a triband dipole
> element i have.
> I wonder if there is merit in this idea. I could also string some wire
> reflectors in some nearby
> trees and form a sort of HF Corner Reflector(with a shortened side width).
> It would point South
> for alot of Stns stateside. I think im going to give it a try..wondering if
> anyone would
> like to comment on the merit of water as a reflector...HIGH ANGLE OF COURSe
> but that is
> good for FD...73 Earl VE3AB

Date: Thu, 17 Jun 1999 19:42:15 -0500
From: Glen Reid <k5fx@flash.net>
To: bump-km3d@redrose.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [43030] Re: FOLDED MONOPOLE
Message-ID: <376995E7.20EA71F4@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

I believe Harry has hit on the essence of the issue.

The FD or "folded marconi" as it is usually referred to in HF service, is more "radio art" than "radio science".

I first became familiar with the folded marconi in the '60's. I am told they were used extensively in commercial service on off shore drilling platforms (before the days of the gulf cell systems and satellite phones) for HF comms.

The virtues and effectiveness of the folded marconi were legendary and were spread far and wide by those who used them. Made of 300 ohm twinlead and hung up anyway that was convenient. One quarter wave length at the operating frequency, fed with 50 ohm coax at the end near the transmitter, center conductor to one side of the twinlead, shield and ground to the other, twinlead conductors shorted at the far end.

Of course, a drilling platform is probably a fair ground system.

I decided that I had to try one of the near magic antennas. Not having a complete oil rig in my back yard I made some compromises. Cut for 3.525 Mhz (70 feet or so), fed at gutter height on my house, grounded to the aluminum gutter and down spout system, running up about diagonally 40 feet to the top of a metal mast at about 20 feet high, then down about 30 feet to the top of a wooden fence.

The "thing" worked very well! Lots of DX and fair local coverage also.

As I said before, this beast has a mystical quality about the way it works which seems to be a triumph of art over science.

I know that I will never convince the guys who only believe in db's, measuring ground losses and calculating radiation resistance. But I, encourage others to give the folded marconi a try.

A liberal application of "ether grease" never hurts either.

73

gr

--

GLEN REID
K5FX/M BGF

Austin...in the beautiful hill country of TEXAS...

Austin QRP Club # Pi

Email: k5fx@flash.net

Date: Thu, 17 Jun 1999 19:46:38 -0500
From: Jeff Logullo <logullo@mindspring.com>
To: JIM-EK@worldnet.att.net, qrp-1@lehigh.edu
Subject: [43031] Re: Suggestions Needed
Message-ID: <376996EC.11D0CE88@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

First, congrats on your quest to get Novice--good luck!

Now... as to paddles; I'll share my story. Long ago, when all I had was a straight key, I decided it was time to step up. I figured that I would never be interested in buying a \$300 (and up) set of gold-plated paddles... but I didn't want to buy junk, either.

Figure that if you are going to learn to use paddles, you just as well should buy something that is reasonably good quality--you'll be using them for a long, long time.

So I bought MFJ's combo (their keyer on top of Bencher paddles). Though the Benchers don't get a lot of praise, they also don't get a lot of criticism, either (that I've noticed). They're heavy, sturdy, adjustable, and have worked fine for me for years.

I did "outgrow" the MFJ keyer and started lusting for a fancy keyer... I bought a CMOS Super Keyer III kit, and fabricated a case similar in style to MFJ's--it fits on top of the Bencher and looks pretty swell (IMHO).

Looking back, I'm glad I did it the way I did. I am now looking for a smaller set of paddles (for QRP portable operation), but I think the Bencher will be my workaday paddles for a long, long time.

73,
Jeff

P.S. Vibroplex is supposed to be coming out with the commercial version of the K8FF/NorCal paddles... you might start watching their website (www.vibroplex.com).

Date: Fri, 18 Jun 1999 10:52:56 +1000
From: "Ian C. Purdie" <purdic@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43032] Code practice and dummy loads
Message-ID: <37699868.76E0E078@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Troops,

Don Lefrancois wrote:

>
> Can't help but reply to the "code practice" thread. Was on 30m today
> and answered a CQ. For the life of me I could not make out what his call
> letters were. He was definitely using a paddle but he was constantly sending
> dits when not sending letters (if you know what I mean). He ran all the
> letters together . I requested he repeat his call letters but even that did
> not help. Finally I had to QRT..gave him an honest shot.

Sure it wasn't Ian Purdie in Australia running a CPO into a four gallon drum of oil, trying to:

1. Get the milliwatt per mile record.
2. Trying to learn code.
3. Having a run up attempt for the forthcoming Dummy Load contest.

Sure sounds like me <g>

73's

Ian

Date: Thu, 17 Jun 1999 20:59:32 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: ARDUJENSKI@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43033] Re: FOLDED MONOPOLE
Message-ID: <Pine.GS0.4.10.9906172057020.26894-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 17 Jun 1999 ARDUJENSKI@aol.com wrote:

>I did not intend to imply that a radial system was not necessary but rather
>for a given radial system, the losses would be less because of the raised
>antenna impedance. Also the bandwidth is broader and there appears no need for
>a tuner or matching network (or so the books say). Has anyone had any
>practical experience with these?

>Alan KB7MBI

>

Alan,

Roy Lewallen showed (and the paper is located at hisd ftp site) that the folding process not only multiplies the antenna impedance, but as well multiplies the loss resistance as well. Hence, the losses are identical to those of a standard monopole. As another station already has noted, the only benefit is potentially from not needing a matching network, which is a marginal gain for the work involved. No efficiency is gained in the process.

-73-

LB, W4RNL

Date: Thu, 17 Jun 1999 21:47:01 EDT
From: KB90CE@aol.com
To: qrp-l@lehigh.edu
Subject: [43034] Looking for.....
Message-ID: <573e2ee5.249aff15@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm looking for an online cross-reference for ECG components. I have NTE but need ECG. I tried a number of different web searches for Phillips, ECG and any possible combination thereof. All I get are sites for electrocardiogram or some nudie site! Please help!

Mike Truax,
kb9oce
Portage, IN
en61jn

Date: 17 Jun 1999 21:17:16 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [43035] Jeff: TEKTRONIX 2215 info/specs
Message-ID: <n1282468215.37065@msmailgw1.arlut.utexas.edu>

And the group:
Still about 4 digests behind due to being out of town; but had to help out:
About '80 I began to work at Kennedy Space Center at the Launch recording lab,
where they had 25 of the then new Tek 2215 scopes, each hooked up to a big
Ampex recorder.

All 25 came in with focus that would vary from fair to poor as you watched!
They sent the whole lot back to Tektronix who implemented a service bulletin,
and the scopes were then fine, and a good buy for the money and were still
going strong on my last visit down there about 1986.

Bottom line: A very good 60 MHz scope as soon as you install the focus fix.
Check out the Tektronix service dept. for info.

If I can, I will find out if our Cal Lab still has any service bulletins on
that model. We never did buy them in any quantity because of NASA's glitch,
and in the 1981 time frame bought the Philips 3217, 50 MHz scopes, which are
going strong, TODAY as I just used one. Those are made in Holland. I have 7
now, of various models, and all reliable.

A thought on scope bandwidth for QRP'ers. You are not looking at digital
signals but analog. If you are looking at a sinewave of RF, or even a Class C
RF wave, and understand the scope bandwidth is going to roll off the sharp
corners, you can do much of the QRP uses with a 20 MHz scope, (until such time
that 10M kits become more common!)

The late Bruce Williams of MXM Industries, went around with such a 20 MHz
scope to demo his transceiver kits, and it worked fine for checking the
oscillators, and getting a envelope of the output RF, etc. In fact, Bruce's
scope might have been only 15 MHz, it was a nice small portable, very handy
for taking to QRP builder's classes, etc. Perhaps W6TOY, can help my memory
here.

Sure, more bandwidth is better as long as your probe has equally good
response, but cost and size are very important on the ham workbench as well.

There are some brand new imports that are 20 MHz scopes, and would be quite adequate for many monoband kit tests.

If only focus is a problem, I think you can find out the service update for that model Tek and since there were so many of those at one time, it should be easy to find one for parts. A caution about older 3 digit models of Tek scopes like the 465, and similar model portables. The CRTs are no longer made for a number of the older ones, and this could be a factor in choosing a particular model. The Tek service info available as newsletters, and probably on their Web pages should indicate parts availability by model. Their CRTs are unique and there are no third party vendors of those tubes as far as I have been able to tell. Another type of scope to stay away from are the analog storage CRT scopes. Those CRTs are more complex, and have shorter life than ordinary CRTs. It would be prohibitively expensive to repair one of those, short of finding a bargain parts unit, but the common failure with them are the storage tubes, and that goes for all brands of storage scopes.

72, Stuart K5KVH

Date: Thu, 17 Jun 1999 22:27:13 -0400
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etcusa.cu>
To: <qrp-L@LeHigh.edu>
Subject: [43036] RE: Folded Monopole
Message-ID: <006f01beb932\$1660d260\$04000a0a@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Broadcast stations operating from 530 to 1700
kiloHertz are favoring the use of FOLDED MONOPOLES if they have to - if
there is no
other choice- install a new radiating system.
Among the advantages that are given as a good
reason to use a FOLDED MONOPOLE , instead of
the classical SERIES FED MONOPOLE... are
1. A much better protection against damage
from lightning .. (this is what manufacturers
of solid state switch mode transmitters say
and ask you to do ...)
2. Wider bandwidth..
3. More tolerance to the use of DUPLEXERS...
 although yours truly can not see why,
 nevertheless they say so...
4. You throw away the BIG HEAVY COSTLY base

insulator that is needed for the classica
series fed vertical (insulator holds the
weight of the whole tower, and is a bi
headache to replace !!! (I have done that
several times and don't recommend the job
to anyone... dangerous and nerve wrecking
to jack up the tower, remove the damaged
insulator and put the new one in place, then
lowering the tower in place !!!!!

SO...if you want a GROUNDED VERTICAL, I think the folded monopole is a good
way to go,,,

and if you separate the two elements and play
with their diameters, then you can make
yourself a nice impedance transformation
device...

My .02 cents worth

Although not strictly QRP, I think that the
info is useful for those that would like
to experiment with their QRP rigs...

BTW... some of the commercial antenna
manufacturers make some "hard to believe"
claims about their so called FOLDED UNIPOLES...
that use fiberglass spreaders and wires
around an existing tower, offered as a
"conversion" to existing installations, and
saying that you can use TOWERS OF LOWER
HEIGHT and still obtain the same efficiency
of so many MILLIVOLTS OF RF at a mile
distance with 1 kW (standard reference)

Arnie

C02KK

e-mail:arnie@radiohc.org

e-mail:inforhc@mail.infocom.etcusa.cu

Postal address:

Prof. Arnaldo Coro Antich

La Torre no.127 entre 35 y 37

Nuevo Vedado, Plaza

Ciudad Habana , 10600

CUBA

Date: 17 Jun 1999 21:29:52 -0500

From: "rohre" <rohre@arlut.utexas.edu>

To: "Joe Everhart" <n2cx@voicenet.com>

Cc: qrp-l@lehigh.edu

Subject: [43037] MFJ Dip Meter Adapter -easy, web

Message-ID: <n1282467473.82537@msmailgw1.arlut.utexas.edu>

Joe and the group, Still behind and catching up fast, but had to help: MFJ is very good to us. On their web site, they have the instruction manuals for their products. In the MFJ 259B manual, they have an extensive section on the special way to measure with a dip meter adapter, AND they have an illustration of both their coils, and the line drawing includes a PL 259 and an RCA phono plug which gives you a size scale. Using that, I was able to make exact copies of the coils, and just left off the un-necessary RCA plug to PL 259 Coax plug adapter.

I can only surmise they must have gotten a deal on some coils for a GDO that used RCA plugs and jacks, and adated them to the MFJ -259 Antenna Analyzer use. For that they needed an adapter.

One of the coils is only a few turns and obviously for VHF use, while the other covers HF uses. Another local QRP'er took mine and tested them on his MFJ 259B and pronounced them working although the dip is shallow. Thinking about that, I have an explanation. The traditional GDO is a high impedance grid or gate effect. The MFJ and other antenna analyzer inputs are low impedance, and probably lower Q circuits to what we were used to in the days when we reached for the Millen GDO, (grin). Also, because of the 50 ohm bridge at the input of the MFJ, is why the direct pickup loop someone made worked to couple to a toroid.

However, we all know that air coupling from one inductor to another probably loads the circuit under test the least.

The current line of Antenna Analyzers are great, and I have used my coils on my Autek RF-1 as well! And isn't the new Autek VHF-UHF analyzer a great addition! Hope I can afford one some day!

72, Stuart K5KVH

Date: Thu, 17 Jun 1999 22:39:55 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "njqrp@njqrp.org" <njqrp@njqrp.org>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [43038] QRPing the 941C
Message-ID: <3769B17B.C9C6F2E5@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anybody in the group have any thought on modifying the MFJ-941-C Versa Tuner II to QRP power levels???

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Fri, 18 Jun 1999 03:40:37 GMT
From: n6jpa@qsl.net (Keith)
To: qrp-1@Lehigh.EDU
Subject: [43039] Help with capacitors!
Message-ID: <376dbfa0.1086233@192.108.254.43>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi

I'm trying to figure out the values of capacitors on a schematic for a =
modem.

The schematic which is poorly done list these values:

.0018

.0047

.1

and the like. What I'm trying to figure is what does this mean?

Should I read these as uFarads or pFarads. I looked in a book and found =
values

for both types under pF and uF. Any help would be appreciated.

Thanks,

Keith

<http://www.teleport.com/~kew> www.teleport.com/~kew/ham_swl_radio/

Date: Thu, 17 Jun 1999 23:49:41 EDT
From: RABRUNER@aol.com

To: cebik@utkux.utcc.utk.edu, qrp-1@lehigh.edu
Subject: [43040] Re: FOLDED MONOPOLE
Message-ID: <b0ac93b5.249b1bd5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

L. B.,

There is a paper available on the web that reports on extensive testing done by a radio consulting firm on a professional antenna range looking at side wire fed grounded radiators Vs a conventional series-fed vertical. This study dealt with the ground wave radiation at medium wave broadcast frequencies, but the results should be also be applicable to low angle radiation, at least on the lower frequency hambands. In any case, it is interesting reading, though somewhat lengthy and the text is supplemented with numerous charts and graphs. The URL is:

<http://www.dlr.com/dlrweb/papers/nabpaper/Nabpaper.htm>

For those who want to cut straight to the chase and not wade through all the science, here is the conclusion presented by the authors:

"No major differences in field strength between the folded unipole and series-fed test cases were found for any of the configurations tested. The folded unipole was not found to have a significantly better radiation efficiency than the series-fed for a given tower height and ground system. The ground currents for the folded unipole are found to be approximately equivalent to those for a series-fed tower despite the unipole's lower driving point current, which results from a higher input resistance. No major differences in bandwidth were found between the folded unipole and series-fed tower when sideband VSWR was observed rather than simply input resistance. Furthermore, with the wire cage connected to the tower at the top and bottom, the antenna was found to have even wider bandwidth than for either the standard series-fed or unipole skirt-fed tower." (Rackley, Moser, Cox, & King, NAB Engineering Conference, 1996)

Note that their determination of similar ground currents for the side wire antenna and the series fed antenna supports Lewallen's paper. They conclude, in effect, there is no practical difference in the radiation characteristics of a folded monopole antenna of any configuration and a conventional insulated radiator. There are practical differences in lightening immunity, installation of secondary facilities on the tower, and ease of assembly and maintenance, but no differences in the RF in the air.

Bob Bruner
WB4TAJ/9

Date: Wed, 16 Jun 1999 20:54:44 -0700
From: Thomas Kuehl <ac7a@uswest.net>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43041] Re: FOLDED MONOPOLE
Message-ID: <37687184.E65E0CFD@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Allan:

All of the important points regarding the folded monopole have been pretty well covered; so, all I will add is that an exhaustive study of the antenna was presented at the National Association of Broadcasters (NAB), 1996 Broadcast Engineering Conference. The study was conducted at frequency just below 1700 KHz in the recently expanded AM broadcast band; therefore, the results should be directly applicable to 160 meters. The paper was mentioned on the Antenna Usenet a few months back. Here's where to find it:

<http://www.dir.com/dlrweb/papers/nabpaper/Nabpaper.htm>

Hopefully, a review of this study will help answer your questions and set the record straight regarding the folded monopole's true performance.

Best Regards,

Thomas - AC7A

Date: Thu, 17 Jun 1999 22:50:52 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>

To: Keith <n6jpa@qsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43042] Re: Help with capacitors!
Message-ID: <Pine.SUN.4.10.9906172240050.11237-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 18 Jun 1999, Keith wrote:

> I'm trying to figure out the values of capacitors on a schematic for a modem.
> The schematic which is poorly done list these values:
> .0018
> .0047
> .1
> and the like. What I'm trying to figure is what does this mean?
> Should I read these as uFarads or pFarads.

As a general rule, capacitors that are a fractional number, such as .1, .01, .001, etc. are uF (micro farads, or farads x 10⁻⁶). Caps with whole numbers (that is, larger than 1) are generally pF (pico-farads, or farads x 10⁻¹²). Such as 10, 22, 100, 330, 1200, etc. are picofarads.

The largest area of confusion will be a cap marked in the 1-100 range, like 22. It could be 22pF or 22uF. However, 22uF would be an electrolytic capacitor, and the polarity (+) symbol should be shown on the schematic. That would certainly identify it as 22uF.

There are capacitors in the 1-10uF that are non-polarized caps. They are often clearly shown as say 2.2uF, or sometimes 2.2 NP (for non-polarized). Those are usually used as coupling caps in audio circuits, a bit expensive, and not seen too often in QRP/ham rigs.

By the way, in the example you cite above as .0018 would be a precision 2% capacitor and quite expensive. I'd use a .002 (or two .001's in parallel). A .0047 you list is not that common anymore. That was a standard value years ago. Now, a .005 would be the nearest standard value.

Good question.

72, Paul NA5N

Date: Fri, 18 Jun 1999 06:17:19 -0400

From: "Gene Hall" <evhall@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <nn7ck@arrl.net>
Subject: [43043] Louisville QRP Activity
Message-ID: <023c01beb973\$c0f4d140\$15a9dccf@#evhall>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have just moved to Louisville, KY with a new job and would like to know if we have any list members in this area.

I am also interested in the local club situation as well.

Thanks in advance.

Gene ... NN7CK ... Louisville, KY

Date: Fri, 18 Jun 1999 06:48:34 -0400
From: mikemo@ibm.net
To: KB90CE@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43044] Re: Looking for.....
Message-ID: <376A2402.AFFCEBE3@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Try
<http://ecgproducts.com/ECGCrossReference/index.html>
72 de ku4qo, Mike Maiorana, Palm Harbor, FL

KB90CE@aol.com wrote:

>

> I'm looking for an online cross-reference for ECG components.

Date: Fri, 18 Jun 1999 12:47:22 +0200
From: iapizloj@bicc00.bi.ehu.es (Jon Iza)
To: qrp-1@lehigh.edu

Cc: iapizloj@bicc00.bi.ehu.es
Subject: [43045] Cuddly CW
Message-ID: <9906181047.AA12630@bicc00.bi.ehu.es>

Folks,
Amused to read tales about weird FCC examiners, I can tell I had to wait till I was 18 to submit the paperworks for my license... Months later I was invited by the Political Police for an interview... I was asked with whom I was going to talk to, and how many millivolts (sic) my antenna had... I was young and naif and stubbornly tried to explain the "comisario" the antenna had no volts, and blah, blah, blah unaware that I was gaining many points to receive a kick for being insolent... those were the times... Later on, it looks like I passed the test and went to the Spanish FCC. There, the Morse test was both receiving and sending. We had a hard time convincing the examiner we needed audio feedback... they all were landline operators, you know, clik-clik-clack... And for the sending test, what can I say? I used a gummed-tape, writting Morse machine, with a clockwork motor... I still have rests of tape left after the test to prove it... If you have been in a Museum, you figure out the kind of instrument... but it was 1976... what a time!
Have fun. I do.
jon, ea2sn

P.S. ObQRP Browsing "The Milliwatt" <<http://www.qrpworld.com/miliwatt.htm>>
I've found an article by no other than W9PNE with a suggestive title:
Sucrets Special QRPp Rig... For those of you with a strong link with
Altoids, this is a follow-down, going back 26 years.. (April 73)

Date: Fri, 18 Jun 1999 07:32:52 -0400
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [43046] Which Rope? Nylon, Dacron?
Message-ID: <199906181133.HAA48812@pimout3-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

I'm looking to purchase some rope to support antennas. I've used nylon from the Home Depot over the last 4 or so years for portable and home antennas. Tried some poly line and found that to stretch way too much, too much sag supporting a dipole.

The Radio Works sells Mil Spec 3/16" Dacron with 700 lb. test weight and

maximum working load of 140 lbs. at .08/foot. This is not braided, but a lot cheaper than the next type of braided line with 770 lb. test weight and 150 lb. working load at .12/foot.

Will the cheaper stuff do the same job, supporting portable loops (horizontal 80M loops, dipoles)? Not sure if it's worth it to go for better stuff for portable antennas.

Thanks for the help guys.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Fri, 18 Jun 1999 08:18:25 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [43047] 10 Turn Pot FS
Message-ID: <385b257e.249b9311@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I hate to throw things out, so here is the deal. I have a Duncan 50kohm 10 turn pot that is superflous to my needs. It is the same small size that many of you have put in the NC-20, has the mounting nut/washer, and is as removed from service.

If anyone has a need for this pot, \$9.00 will put it in your mailbox. It will probably look better in your rig, so take it out of the mailbox after that nice man deposits it there. If it does not sell, could somebody please design a rig that requires a 50kohm pot?

72 to all

Howard Kraus, K2UD

Date: Fri, 18 Jun 1999 08:56:50 US/Eastern
From: n2cx@voicenet.com
To: rohre <rohre@arlut.utexas.edu>
Cc: qrp-l@lehigh.edu, njqrp@njqrp.org, n2cx@voicenet.org
Subject: [43048] Re: MFJ Dip Meter Adapter -easy, web
Message-ID: <199906181256.IAA74750@nss4.cc.lehigh.edu>

Stuart,

You mentioned that the on-line MFJ manuals have data on the dipmeter coils.

I downloaded both the MFJ259B and MFJ-66 manuals.

The -66 is the dipmeter manual and it has drawings the coils which you duplicated.

Thanks very much for the info. I will be travelling on business the next couple of weeks so experimentation will have to wait, but when I get back it's at the top of my list!

I'm cc'ing qrp-l and the njqrp lists since I posted requests for info on both those lists.

72/73,

Joe E.,
N2CX

This message was sent using Voicenet WebMail.
<http://www.voicenet.com/webmail/>

Date: Fri, 18 Jun 1999 08:16:34 -0500
From: "Tom Moll" <tomm@xata.com>
To: <qrp-l@lehigh.edu>
Subject: [43049] Dummy Load Night
Message-ID: <001201beb98c\$ca5746f0\$4baa7acf@tomm.XATA-CORP>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, there seems to be some genuine interest in testing the Dummy Load concept !
The suggestion was for real, but I have to admit, the suggested

"contest rules" were totally tongue in cheek. I agree that just simply getting on and attempting to make a few contacts for the pure fun of it would be interesting. How about on Field Day? No, probably not a good time, on second thought.

I suggest the following:

We pick a 2 hour period on a Tuesday evening, just get on with 5w into any dummy load, and have at it.

Call CQ DLN - exchange call signs and RST only with both ends QSLing the exchange for a valid QSO. (This may not be conducive to long exchanges !)

We should also report Dummys heard but not worked.

How about 8PM - 10PM CDT on June 29. Converting the date and time to UTC is left as an exercise for the Dummy.

This should allow time for everyone to design and construct a radiating dummy load ! I can just see you guys already, trying 10 different light bulbs while the XYL squints at the field strength meter attempting to detect motion.

I will be happy to collect and publish a participant list (assuming you are willing to let it be known that you actually participated in this silliness), QSO totals, and any soapbox comments.

Just think of the unique QSL cards that this might spawn (assuming any contacts are made, that is)!

Well, there it is - any comments / suggestions are welcome.

73, N0BS Tom Moll (Head Dummy)

Date: Fri, 18 Jun 1999 13:49:23 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [43050] Re: Dummy Load Night
Message-ID: <19990618134920.MOCZ15914@webmail.worldnet.att.net>

> How about 8PM - 10PM CDT on June 29. Converting the date
> and time to UTC is left as an exercise for the Dummy.
> This should allow time for everyone to design and construct a
> radiating dummy load ! I can just see you guys already, trying 10
> different light bulbs while the XYL squints at the field strength
> meter attempting to detect motion.

Tom,

Sounds good to me, but I'd caution people to think carefully about using light bulbs - the filament looks like a REALLY low resistance when the light is off, then it comes up to a "reasonable" value as it heats up. Inrush current is a bear.

If your transmitter is sensitive to poor SWR, even briefly, it may have a problem with sending into that kind of load.

Forewarned is forearmed. Now, let's get out there and Work All Dummies!

Dave, WD8CIV

Date: Fri, 18 Jun 1999 08:51:31 -0500
From: "Tom Moll" <tomm@xata.com>
To: <qrp-1@lehigh.edu>
Subject: [43051] Receiver Dynamic Range
Message-ID: <001301beb991\$ac97f970\$4baa7acf@tomm.XATA-CORP>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Anyone interested in a good discussion about receiver dynamic range, and especially with respect to receivers with IF-DSP, (ur gonna see a lot more of these in the future!) should look at the Kachina web site, particularly their Application Note AN108. It can be found at <http://www.kachina-az.com/an108.htm>
Tom Moll N0BS

Date: Fri, 18 Jun 1999 08:20:32 -0600
From: Brad Mugleston <bmug@gw1.com>
To: "'qrp-1'" <qrp-1@lehigh.edu>
Cc: "'Derek-Megs'" <muglesto@mail.megsinet.net>
Subject: [43052] CD to 10
Message-ID: <01BEB963.716CA900.bmug@gw1.com>

Good Morning everyone,

My son (KB0SJY) purchased an International Scout II Wednesday and one of the included accessories is a 23 channel Hy-Gain Hy-Range V CB. How difficult is it to put this on 10M?

It has an added switch to the front panel and if I remember my 70's this was to make it go from AM to SSB - is this true and is this a PLUS or just something interesting.

Thanks

de KI00T, Brad

Date: Fri, 18 Jun 1999 07:30:46 -0700
From: Bruce Grubbs <bog@flagstaff.az.us>
To: kfglynn@prodigy.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43053] Re: Which Rope? Nylon, Dacron?
Message-ID: <3.0.5.32.19990618073046.0098a100@mail.infomagic.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Kevin,

I've used 3/32" dacron rope from Davis RF (PO Box 730, Carlisle, MA 01741, 800-328 4773) for portable and permanent antenna supports for many years. Unlike nylon, dacron doesn't lose strength from UV. They also sell 3/16 and 5/16" rope.

I also highly recommend their "flexweave" antenna wire.

72

Bruce, N7CEE
bog@flagstaff.az.us

Date: Fri, 18 Jun 1999 10:40:53 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <bmug@gwl.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43054] Re: CD to 10
Message-ID: <000b01beb998\$92a97820\$9001a8c0@mikey.wn.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Any kind of added switch is more than likely just an override to one of the PLL lines for 'extended coverage'. It would be highly unlikely that this is an SSB switch.

If you want to convert a rig to 10M, start with an SSB rig to begin with.

The Uniden core that was used for the Cobra, President, and Radio Shack rigs is pretty much regarded as the best. For Radio Shack it was used in the TRC-449 mobile, and the TRC-457 and TRC-458 base stations. This same core PCB was used in units that sold from as low as \$200 to almost \$800 (yeah, there were suckers born every minute, although it was widely considered one of the best available). Radio Shack also made a TRC-448 unit that could be converted, but it was a GRE main board, and not as easy to convert. The Uniden was a uPD-858 based PLL and was as simple as you could get. And offered pretty darn good performance for the buck!

Mike Yetsko
N1DVJ

>Good Morning everyone,
>
>My son (KB0SJY) purchased an International Scout II Wednesday and one of the
>included accessories is a 23 channel Hy-Gain Hy-Range V CB. How difficult is
>it to put this on 10M?
>
>It has an added switch to the front panel and if I remember my 70's this was to
>make it go from AM to SSB - is this true and is this a PLUS or just something
>interesting.
>
>Thanks
>
>de KI00T, Brad
>
>

Date: Fri, 18 Jun 1999 11:09:02 -0400
From: Mark Sailer <msailer@msailer.rhic.bnl.gov>
To: kfglynn@prodigy.net, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [43055] Re: Which Rope? Nylon, Dacron?
Message-ID: <376A610E.7B94FE3B@msailer.rhic.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"Kevin F. Glynn" wrote:

> Hi gang,
>
> I'm looking to purchase some rope to support antennas. I've used nylon
> from the Home Depot over the last 4 or so years for portable and home
> antennas. Tried some poly line and found that to stretch way too much, too
> much sag supporting a dipole.
>
> The Radio Works sells Mil Spec 3/16" Dacron with 700 lb. test weight and
> maximum working load of 140 lbs. at .08/foot. This is not braided, but a
> lot cheaper than the next type of braided line with 770 lb. test weight and
> 150 lb. working load at .12/foot.
>
> Will the cheaper stuff do the same job, supporting portable loops
> (horizontal 80M loops, dipoles)? Not sure if it's worth it to go for
> better stuff for portable antennas.
>
> Thanks for the help guys.
>
> 72 Kevin N2T0
> Brooklyn, NYC
> kfglynn@prodigy.net

I've used the rope from Radio Works, Mil Spec 3/16" Dacron. Had it up for
5 yrs on my 80m Carolina Windom and changed it..... just because. Didn't see
any problem with it. Pulls over branches real easy. Olive drab in color, so
the neighbors really don't see it.
Really like the stuff, so I guess it's a recommendation for it.

--

Mark Sailer
N2JTW

Date: Fri, 18 Jun 1999 11:04:41 -0400
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43056] transistor orientation..
Message-ID: <376A6009.F8D68707@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

i am finally putting together the rainbow tuner that i picked up from someone on the list a while back, but i am kinda lost on part of it..

there are two transistors on the board..

each is marked with silver paint on it with the appropriate numbers..

the first one looks like a regular transistor.. round on one side, flat on the other. with the markings on the flat side..

the second one looks flat on both sides... the side *without* the paint looks flatter than the paint side.. so i am not sure which one is really the flat side..

can someone help me out here?

also...

this kit rocks.. doco rules... and the parts are all put together really logically..

my main problem is that i am color blind, so for transistors, i always have to use the vom method.. egads! but this kid lays them out in order (i double checked anyway) but it really helped me out..

my brother is an electrical engineer.. he is color blind too (the same colors) and uses these funky 70's glasses to tell the difference.. it's wild..

anyway.. i like this kit!

--

peace,
sergio

<http://www.bright.net/~sruiz>
"the village buzz"

Date: Fri, 18 Jun 1999 07:53:47 -0700
From: sigcom@juno.com
To: qrp-l@lehigh.EDU
Subject: [43057] Re: Sucrets Rig
Message-ID: <19990618.075348.-320197.6.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jon,

>I've found an article by no other than W9PNE with a suggestive title:
>Sucrets Special QRPp Rig...

I built a QRPp transmitter in a Sucrets box in 1970 or 71. Of course I didn't publish it, so I don't have proof of the date. But I still have the rig so I can prove I did it :-). Try to find metal Sucrets boxes these days! My rig ran a few hundred mW input and features a built-in key (microswitch) and has an RF detector circuit for relative power output measurement and to drive a keying monitor. Oh, and space inside for a 9 Volt battery although I ran it on external 12 Volts for that extra power! I named it the "Super Duper-X Spy Transmitter". I removed the toroids from the rig many years ago for another project, so it no longer functions, but with all this excitement about the Tuna Tin II, I've decided to resurrect it.

Maybe I'll be able to work Ed Hare next week when he comes to Los Angeles.

Ed: Hope you can make it to the TRW swapmeet on Saturday the 26th.

73.....Steve, WB6TNL

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 18 Jun 1999 11:27:54 -0400
From: Floyd Soo <floyd@hi-rescom.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [43058] 40M bandpass filter
Message-ID: <376A6579.83FDBADC@hi-rescom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I was wondering if anyone on the list has a ICE 40M bandpass filter that they would like to sell or lend to a QRP Field Day operation. I understand that it does decrease QRM to some of the upper bands. Anyone have one, or have used one that can provide some insight?

Thanks!

--
72,
Floyd Soo, W8RO
President, HI-RES Communications, Inc.
Board Member, Collins Collectors Association (#002)
QRP-L #392
floyd@hi-rescom.com
<http://www.hi-rescom.com>

Date: Fri, 18 Jun 1999 11:26:02 -0400
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43059] oops..
Message-ID: <376A6509.35FAE977@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

i meant resistors..

--

peace,
sergio

<http://www.bright.net/~sruiz>
"the village buzz"

Date: Fri, 18 Jun 1999 10:40:38 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [43060] Kent paddle adjustments
Message-ID: <376A5A66.1394AD07@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My wish for Fathers day came true. Last Sunday it was Stepfathers day at our house. I got a new Kent paddle. It was already assembled. I have been using it the last few nights. There does not seem to be any adjustments other than contact spacing. My two arms seem quite loose vertically. That is they can shift up and down about 1/16th of an inch and to prevent them from locking closed I need to back off the contact spacing much wider than I like and crank up the tension. Just does not seem right. Did not get any adjustment instructions just assembly instructions. Does anyone have adjustment instructions they can send?
TIA

Ed Kwik AB8DF

Date: Fri, 18 Jun 1999 08:48:58 -0700
From: Stan Voynick <svoynick@selmar.com>
To: qrp-1@Lehigh.EDU
Subject: [43061] Re: Next stop: Ft. Tuthill {memories of 20 years ago}
Message-ID: <376A6A6A.31E27323@selmar.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul, et al:

Ahhh, memories of Ft. Tuthill... When I was a wee lad living in Phoenix, I was a member of a scraggly bunch of teenaged hams and near-hams

called Boy Scouts Explorer Post 599. We weren't much like scouts in anything but name, as I recall. Our existence was suffered silently by the Boy Scouts, and we were guided by a few adults with an apparent excess of patience that they needed to use up: Jim, K7UDG and Bill, WA7SKJ, now an SK, come to mind as two of the more saintly ones, as well as dear John Brown, K7WMG, who was a true Boy Scout more than any ten of us. Amongst our many Post activities were such diverse elements as camping trips, providing public service radio help at community events, and pilgrimages to the Rocky Horror Picture show at midnight some Saturdays. As I recall, we also spent a fair amount of our time memorizing and reciting lines from Monty Python shows and movies to each other.

The main fund raiser for the "Post" for a few years was to convoy up to the Tuthill hamfest, and set up a snack bar in one of those rooms there with the screened fold-up front window. I seem to recall that our crowded menu included just hot dogs and sodas, and I think I also recall that we charged near-extortionate prices, which were accepted graciously by the hamfest-goers, realizing that they were supporting something that was (in all seriousness) a pretty good way to get some young folks into the fold. We'd also help out with registration and other general activities, which I think was a (just partially successful) endeavor to keep us from causing other trouble for ourselves or others.

A good friend and former Post member has a page of old pictures up at:
<http://id.mind.net/~dc3/599.html>
which includes a few shots from Tuthill, including the famous snack bar, among other things. (I'm the one in the long hair with the headset on in the airplane, among other places...)

If it is still half as good a time now as it was then (heck, maybe *double* with all the QRP activity!) then get there if you can, and take Paul's advice - pitch a tent and sleep on the ground. You really can see stars from there.

- Stan V -
WB7RPG
Past President,
Explorer Post 599

--

Selmar Technologies, Inc. voice (510)793-1737
36564 Nettles Ct. fax (510)793-3270
Fremont, CA 94536 Email <svoynick@selmar.com>

Date: Fri, 18 Jun 1999 11:54:38 -0400

From: "George Goodroe" <goodroe@worldnet.att.net>
To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [43062] antique morse keys
Message-ID: <000801beb9a2\$e0711360\$2e80fea9@ggoodroe>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,

I just returned from 8 days visiting England and found three antique keys that I would like some help identifying...I will send a small under 100K JPG picture of the 3 keys to anyone who replies to my address:

goodroe@worldnet.att.net

Thanks and 73 de KF4CPJ
George Goodroe, QRP-L #1943
St. Petersburg, Florida USA
80 Meter high noise capital of the USA <grin>
<http://home.att.net/~goodroe>
<http://www.qsl.net/kf4cpj>

Date: Fri, 18 Jun 1999 09:18:51 -0700
From: Ken Knecht <kenk@primenet.com>
To: qrp-l@Lehigh.edu
Subject: [43063] Homebrew QSLs
Message-ID: <3.0.6.32.19990618091851.00817de0@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all of you who responded to my question about postcard-weight printer stock. I may be getting back to a few of you for more details as soon as I digest what I have.

Now, if I just had a K2 to make contacts to QSL...

72, Ken W9NPP Yuma AZ

Date: Fri, 18 Jun 1999 11:37:30 +0000

From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [43064] Re: Dummy Load Night
Message-ID: <199906181621.MAA22247@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> Sounds good to me, but I'd caution people to think carefully about using
> light bulbs - the filament looks like a REALLY low resistance when the light
> is off, then it comes up to a "reasonable" value as it heats up. Inrush
> current is a bear.
>

This is true for DC and 60 Hz, but at RF, there should be a somewhat
higher initial reactance. Maybe someone with an RF-1 or similar
device could measure some bulbs, say a #47 for low power, a 25 W 110V
bulb and maybe a 12V car brake light and let us know what they
measure at various frequencies.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Fri, 18 Jun 1999 09:35:10 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list" <qrp-l@Lehigh.edu>
Subject: [43065] Hamcomm photos
Message-ID: <12ff01beb9a8\$8ade6eb0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Captions added.

<http://www.qsl.net/k1mg>

Mike

Date: Fri, 18 Jun 1999 10:26:33 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@lehigh.edu
Subject: [43066] Elmer101/SW40+ audio stage question
Message-ID: <376A8149.190C@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am (belatedly) doing the Elmer 101/ SW40+ project. The audio amplifier stage is coming soon in construction and I would like to slightly alter the audio bandpass filter in the 2nd audio amp. I prefer a somewhat lower sidetone than 810 Hz. As this mod has likely been done previously, could someone provide the formulas for the center frequency of that bandpass filter network as well as any changes necessary to compensate as far as stage gain goes. Exact component values that worked would also be useful for 650 Hz, although I can certainly calculate them, given the formulas. A related question might be how to alter the RX detector crystal padding capacitor so as to align the crystal filter center frequency relative to the 'BF0' crystal and the (now modified) audio bandpass filter. I don't believe there is a trimmer capacitor in that spot.

BTW: I am learning alot from the collected posts on VE3DNL's and other sites, in addition to 'melting solder' and such.

A private response is best.

73

Allan K7GT k7gt@qsl.net

|

Date: Fri, 18 Jun 1999 11:08:16 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [43067] 40m Howes trx fun & cinnamon/raisin bread project
Message-ID: <19990618.110821.15878.0.nilsbull@juno.com>

Gang,

Ok, so I'm up to sitting in a chair for a while or standing in the kitchen. I put the ingredients for a loaf of cinnamon/raisin bread (with a large dose of amaretto liquor) in the bread makin' machine & go out to the outhouse radio shack to play with the next antenna tuner project.

Thank you them what sent me email about my meandering obfuscations. I made some modifications & tried some different tacks (like stacking the two cores to widen the bandwidth), made a few nominal calculations & dreamed up the switching system. Got that working. Now I have two coils switched in one box (when the box is done &c) that will tune two ranges: 1.5-10 MHz and 7-30 MHz with plenty of overlap between ranges.

Now all I have to do is build the box & bolt together the innards. That will get me a big box antenna tuner that seems to work better 'n the "ultimate transmatch" tuner that I've been using for nearly 25 years now. (Am I really eligible for QCWA membership? Yipes!)

And I'll have another box of junk to bring to the next Dayton QRP "show & tell" night.

But, while I was sittin' there poking around on the TR7, I heard someone calling CQ on 40. Not wanting to fire up the TR7 and play big time, I hosed the old Howes 40m transceiver kit (the one that took me seven years to finish building) up to the antenna tuner and called the guy. No response. So I called CQ. Then I took out the wattmeter & found that (a) I needed to retune the antenna and (b) total output power into 50 Ohms was a whoppin' 900 mW.

I heard a guy calling CQ in the Novice segment & responded. K04Q0, George, in Toccoa, Georgia. We talked for a while & he said that the copy was ruff (539) but clear & that he was runnnin' a Knight VFO into a tuner with maybe 20w out into a dipole. Not bad, eh, fish-heads?

Now to go to the QRP-L home page & see how far apart we are. Maybe make another "km/watt" award application. These damn things can get addictive. Nine hundred milliwatts! Pretty cool, eh?

It's QSOs like these 'ns that make QRP so much fun.

73
Nils

P.S.: Oh, the bread turned out just super! Thanks for asking! I'm gonna have another slice of it before I go to get my medication refilled & my old glasses cleaned or fixed (appears that I got some rosin solder flux on the lenses [which are coated with this anti-glare stuff], which apparently etches the lenses. So much for technological advances! I'll have the lenses replaces with the cheap-o, non-coated, simple-magic, nothin' special, thanks anyway kind.) Which is another story.

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com

"In my day we had to FIGHT to have email! Every day was a struggle!"

-- Comrade Sergei Nikolaievich

McTovarishov

Get the Internet just the way you want it.

Free software, free e-mail, and free Internet access for a month!

Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: 18 Jun 1999 13:56:46 -0500

From: "rohre" <rohre@arlut.utexas.edu>

To: n2cx@voicenet.com, qrp-l@lehigh.edu

Subject: [43068] RE: MFJ Dip Meter Adapter -easy, web

Message-ID: <n1282408218.47890@msmailgw1.arlut.utexas.edu>

Yes! It is there, but you have to link back to it by "ACCESSORIES" page of MFJ Web site, sorry for not remembering that. Look further than the manual itself, it is in the manuals for accessories.

Let me know if you have further trouble, I should have a book mark on it.

72, Stuart K5KVH

Date: Fri, 18 Jun 1999 15:15:05 -0400

From: Cameron White <whitec@claven.fanshawec.on.ca>

To: qrp-l@lehigh.edu

Subject: [43069] Paperwork on EK-4 Keyer?

Message-ID: <3.0.1.32.19990618151505.007b9e80@claven.fanshawec.on.ca>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I am looking for the schematic and/or operating manual for a R. A. Kent (Engineers) Model EK-4 (with memory) Keyer that I recently purchased used at a local hamfest. Is there some way to reset the memories and weighting to factory defaults?

73 de VE3PRJ

Cam

Date: Fri, 18 Jun 1999 15:27:11 -0400

From: Terres Family <terresfm@ncia.net>

To: qrp-l list <qrp-l@Lehigh.EDU>

Subject: [43070] baggybob SMD parts
Message-ID: <376A9D8F.B1F829D8@ncia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

does anyone have any news regarding baggybob? i have sent emails to
 <baggybob@execpc.com>
but no replies, so far.
tnx

jerry aa1of
franconia nh

Date: Fri, 18 Jun 1999 15:45:15 -0400
From: "Tim Cook" <timcook@erinet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "[Ten Tec] -
Reflector" <tentec@contesting.com>
Subject: [43071] Fw: Splitting uo Triton Station -- SOLD
Message-ID: <008e01beb9c3\$17711200\$3f6b5acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The entire station has been spoken for, thanks for all the responses.
NZ8J

-----Original Message-----

From: Tim Cook <timcook@erinet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>; [Ten Tec] -
Reflector <tentec@contesting.com>
Date: Thursday, June 17, 1999 5:27 PM
Subject: FS: Splitting uo Triton Station

>I have had some interest in splitting the Triton Station up, so here are
the
>prices. The Triton IV must sell first, before selling the rest.
>
>Ten Tec Triton IV analog
> - optional noise blanker
> - optional cw filter
> - super qsk
> - PT0 smooth/dial string doesn't sag

> - 100 watts on 80m to 65watts on 10m (I have set ALC to max 70w on 80
>and 60w on 10)
> - overall condition very good (a dial light is burned out) (bandswitch
>might be a little dirty, sometimes you need to wiggle it a little when
first
>changing bands to make contact, only once in a while, and not all bands)
>\$215 + shipping
>
>Ten Tec Model 244 Digital Readout
> - very good condition
> - works excellent
> \$75 + shipping
>
>
>Ten Tec model 262G Power supply
> - works fine
> - good condition
> \$80 + shipping
>
>Ten Tec model 241 external xtal crystal oscillator
> - exc condition
> - never used it
> \$25 + shipping
>
>In use daily, have manuals for everything except the 241 oscillator
>

Date: Fri, 18 Jun 1999 16:08:26 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [43072] Re: CD to 10
Message-ID: <d4d1d63f.249c013a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does the Hy-Gain V have SSB already? My guess about the switch, on a 23
channel CB, is that it enables channel "22A," or 27.235MHz which is a remote
control channel. 27.235MHz later became channel 24 on the 40 channel units.
Channel 25 was 27.245MHz, and 26 picked up after 23, at 27.265MHz. Very
interesting band plan when they went from 23 to 40 channels!

The dial likely has a blank spot where between channels 22 and 23. The
switch may re-enable one of the crystal-plexer crystals, thus giving you

channel "22A."

Other rigs are better candidates to convert to 10M. Some Hy-Gains, like the IV in its 40 channel version were popular rigs to put on 10M FM. Very few parts required to do the mod. That rig had the popular Cybernet board with the PLL 02A chip, as did many other CB's of that genre.

72

Howard Kraus, K2UD

Date: Fri, 18 Jun 1999 21:07:32 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "QRP list" <qrp@onelist.com>, "QRP-1" <qrp-1@lehigh.edu>
Subject: [43073] Hamcom 1999
Message-ID: <003701beb9c6\$c2f8c8e0\$d5ebabc3@p75>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I had an absolute blast at Hamcom and rather than post my longish report to the list, I've put it on the QRP club website
<http://www.btinternet.com/~g4wif/hamcom.htm>

Kind regards
Tony G4WIF/K4WIF

Date: Fri, 18 Jun 1999 16:43:45 -0400
From: Laura Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-1@lehigh.edu
Subject: [43074] Bytemark?
Message-ID: <3.0.6.32.19990618164345.00805ec0@madrox>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Has anybody dealt with Bytemark lately? I tried ordering some toroids today, but their web site is catatonic, and their 800 number claims to be out of service...

Laura Halliday VA3LDH "Que les nuages soient notre pied
Grid: FN03gs a terre..." - Hospital/Shafte

Date: Fri, 18 Jun 1999 16:09:46 -0500
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: "QRP List" <QRP-L@Lehigh.EDU>, <kd1jv@moose.ncia.net>
Subject: [43075] Re: Dummy Load Night
Message-ID: <002e01beb9ce\$e7f75460\$e87154d8@big>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I always though QRPers were a little nuts, but this takes the cake. If anyone works anything by this method (other than the guy down the block), I'll be amazed. You should at least allow more than 5 watts into the dummy load.

On putting the dummy on the tower, it occurs to me --- we're always trying to eliminate common mode currents so the coax won't radiate. Now we need a way to enhance 'em.

72,

Nick, WA5BDU
in Arkansas

Date: Fri, 18 Jun 1999 16:45:11 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [43076] Ten Tec Manual
Message-ID: <22415-376ABDE7-955@postoffice-111.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

I have an original Ten Tec owners manual for the Century 21 Digital Model 574 and also a manual for the model 670 century keyer if anyone needs them. Free.

Also have an arrl booklet (1970 vintage) "learning the radiotelegraph

code". Free for the asking.
K1zw

Date: Fri, 18 Jun 1999 17:07:35 -0500
From: Jeff Davis <jeff@jehosophat.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [43077] Tragedy on the Trail
Message-ID: <19990618170735.A8725@jehosophat.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

A little QRP fiction for your weekend pleasure...

<http://jehosophat.com/ham/tragedy.html>

--
72 de Jeff, N9AVG
QRP-L #1640
QRP ARCI #9756
NorCal

Date: Fri, 18 Jun 1999 18:09:34 -0400
From: Rick McNelly <72507.235@compuserve.com>
To: qrp-l@Lehigh.EDU
Subject: [43078] Re: OHR WM-2 Wattmeter
Message-ID: <199906181812_MC2-79EC-8009@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

What freq was the power measured at?

My WM-1 and the KC-2 in my Sierra both read significantly lower power on 15M than measurements with an RF probe or my scope.

At 40M all the power measurements are very close.

72/73's,

--Rick, KE4IZH

QRP-L # 493
72507.235@compuserve.com
Chesapeake, Va.
MP2.1K
'98 Sportsman

Date: Fri, 18 Jun 1999 18:28:51 -0400
From: "Tracy" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.EDU>
Subject: [43079] ByteMark
Message-ID: <001901beb9d9\$f0dcda40\$0e00000a@Tracy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm still alive and kicking, Thomas is making an excellent recovery. Amidon hasn't been the easiest to deal with but we're managing!

The 800 number is still only manned about 80% of the time, so please bear with us.

We're adding a new section on Static Electricity and ESD stuff. Comments, but I've only got about 25% of it online so far.
<http://www.bytemark.com/static>

Have fun kids!
Tracy Markham, N4LGH QRP-L #1453
ByteMark

Date: Fri, 18 Jun 1999 18:47:43 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [43080] WTB: 2N408 Transistor
Message-ID: <7101556d.249c268f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In restoring a Heathkit HD-10 Electronic Keyer from the 60's, I find a 2N408 PNP transistor that is leaky from emitter to base. Who among (amongst?) this list might have such a transistor in the deep dark crusty dusty recesses of their parts bins? Hint: this is a long tubular metal transistor that you might have seen in early model transistor radios.

I am currently using a 2N4037 PNP, and the keyer works fine. For hysterical purposes I would like to replace the transistor with the original if it can be found.

I'm impressed with the keyer, it actually uses transistor sockets! When is the last time you saw that?

BTW, the manual calls out for 2N407, but uses 2N408 in their place.

Thanks in advance to all who may be able to help this nostalgia freak.

72

Howard Kraus, K2UD

Date: Fri, 18 Jun 1999 17:56:35 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [43081] Manual
Message-ID: <22411-376ACEA3-5365@postoffice-111.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

The c 21 manual and keyer manual are spoken for. Still have the code booklet.
K1zw

Date: Fri, 18 Jun 1999 18:54:52 -0400
From: "Jim Stafford, W4Q0" <w4qo@amsat.org>
To: QRP-L <qrp-l@lehigh.edu>, qrp@qsl.net, cq-contest@contesting.com
Subject: [43082] FIELD DAY - Register your site!

Message-ID: <376ACE3B.2F4AAD66@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I have set up a Guestbook kind of thing on the QRP ARCI site to register your QRP FD action. Go to <http://www.qrparci.org> and follow to the registration page. I am thinking that we might want to go back afterwards and register our "scores" or "soapbox". What do you think? You may also go by and just check to see who is registered. I see the NorTex RACC boys and NoGaQRP folks are already "in the log"!

--

Jim Stafford, W4QO	770-993-9500	VP - QRPARCI #6615
11395 West Road	770-993-8932 fax	Mgr - W4WOW SciTrek
Roswell, GA 30075	w4qo@amsat.org	Dir- RadioActive Schools
DBA/Stafford Enterprises/By Jimeny SCF		
http://www.america.net/~w4qo		

End of QRP-L Digest 1492

